

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the present application:

Listing of Claims:

Claim 1 (Currently amended): A recessed fastener adapter device for recessing a fastener on a printed wire board (PWB), the device comprising:

a board interface for interfacing the adapter device with the PWB at a fastener hole, wherein the fastener hole is a non-countersunk through-hole, wherein the board interface interfaces with the PWB at the fastener hole and includes a top surface; and,

a fastener head engaging surface for accepting and recessing a fastener head having a top surface, wherein the fastener head engaging surface engages a fastener head and recesses a fastener head, and

wherein neither the top surface of the board interface nor the top surface of the fastener head protrudes from the PWB top surface.

Claim 2 (Original): The device of claim 1 wherein the board interface includes a tube with an exterior surface, wherein a flange extends radially outward from the exterior surface, and wherein the flange has an upper surface for interfacing with a PWB.

Claim 3 (Original): The device of claim 2 wherein the fastener head engaging surface includes the tube having a closed end with a bore for engaging a fastener head and passing a fastener shaft attached to a fastener head.

Claims 4-5 (Cancelled).

Claim 6 (Original): The device of claim 1 wherein the board interface includes a tube with an exterior surface for interfacing with a PWB; and, wherein the fastener head engaging surface includes the tube having a closed end with a stepped bore for engaging a fastener head and passing a fastener shaft attached to a fastener head.

Claim 7 (Original): The device of claim 6 wherein the tube exterior surface has a protrusion for interfacing with a PVVB.

Claim 8 (Original): The device of claim 7 wherein a step in the tube exterior surface forms the protrusion.

Claim 9 (Original): The device of claim 6 wherein the tube exterior surface is grooved.

Claim 10 (Currently amended): A system for recessing a fastener on a printed wire board (PWB), the system comprising:

the PWB having a fastener hole, a top surface, and a bottom surface; and

a recessed fastener adapter including:

a board interface for interfacing the recessed fastener adapted with the PWB at the fastener hole, wherein the fastener hole is a non-countersunk through-hole, wherein the

board interface interfaces with the PWB at the fastener hole and includes a top surface;
and,

a fastener head engaging surface for accepting and recessing a fastener head having a top surface, wherein the fastener head engaging surface engages a fastener head and recesses a fastener head, and

wherein neither the top surface of the board interface nor the top surface of the fastener head protrudes from the PWB surface.

Claim 11 (Cancelled).

Claim 12 (Previously presented): The system of claim 10 wherein the board interface includes a tube with an exterior surface, wherein a flange extends radially outward from the exterior surface, wherein the flange has an upper surface for interfacing with the PWB, and wherein the flange upper surface interfaces with the PWB bottom surface at the PWB fastening hole.

Claim 13 (Original): The device of claim 12 wherein the fastener head engaging surface includes the tube having a closed end with a bore for engaging a fastener head and passing a fastener shaft attached to a fastener head.

Claims 14-16 (Cancelled).

Claim 17 (Previously presented): The device of claim 10 wherein the board interface includes a tube with an exterior surface for interfacing with the PWB; and, wherein the fastener head

engaging surface includes the tube having a closed end with a stepped bore for engaging a fastener head and passing a fastener shaft attached to a fastener head.

Claim 18 (Original): The system of claim 17 wherein the tube is inserted into the PWB fastener hole and wherein the tube exterior surface interfaces with sides of the PWB hole.

Claim 19 (Original): The system of claim 18 wherein the tube exterior surface has a protrusion for interfacing with the PWB, and wherein the protrusion interfaces with the PWB bottom surface.

Claim 20 (Original): The system of claim 19 wherein a step in the tube exterior surface forms the protrusion.

Claim 21 (Previously presented): The system of claim 10 wherein the board interface has an exterior surface for interfacing the recessed fastener adapter with the PWB at the fastener hole, and wherein at least part of the exterior surface is in compression where interfacing with the PWB.

Claim 22 (Previously presented): The system of claim 10 wherein the board interface has an exterior surface for interfacing the recessed fastener adapter with the PWB at the fastener hole, wherein the exterior surface accepts an adhesive material for interfacing with the PWB, and wherein the exterior surface is attached to the PWB with an adhesive material.

Claim 23 (Previously presented): The system of claim 10 wherein the board interface has an exterior surface for interfacing the recessed fastener adapter with the PWB at the fastener hole, wherein the exterior surface is a material conducive to solder bonding, and wherein the exterior surface is bonded to the PWB with solder.

Claim 24 (Previously presented): The system of claim 10 wherein the board interface has an exterior surface for interfacing the recessed fastener adapter with the PWB at the fastener hole, and wherein at least part of the exterior surface is grooved.